

[CLAIMS]

1. A method for outputting an image having a specific color on an output device, the method comprising the steps of:

5 - analyzing said image;
- creating a model for said output device, based on said analysis, wherein said model encompasses said specific color; characterized in that the method further comprises the step of:
- creating said model in a particular space having a one-to-one
10 relation to a device independent color space.

2. The method according to claim 1 further comprising the step of:
- using said model for computing color values of said specific color in said particular space.

15 3. The method according to any one of the preceding claims wherein said specific color is a non-process color.

20 4. The method according to any one of the preceding claims further comprising the steps of:
- creating said model for an overlap of said specific color with another color.

25 5. The method according to claim 4 wherein said other color is selected from the group of a process color and a non-process color.

6. The method according to any one of the preceding claims wherein said particular space is CIE XYZ.

30 7. The method according to any one of claims 1 to 6 wherein said output device is an ink jet printer.

8. The method according to any one of claims 1 to 6 wherein said output device is a printer using printing plates.

9. The method according to any one of claims 1 to 8 further comprising the step of:

- creating a first inverse transformation from said particular space to a first colorant space of another output device.

10. The method according to claim 9 further comprising the step of:

- obtaining a first color separation of said image by said first inverse transformation.

11. The method according to claim 9 or claim 10 wherein said other output device is a proofing device.

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12. The method according to any one of claims 9 to 11 wherein said other output device is an ink jet printer.

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13. The method according to any one of claims 1 to 8 further comprising the step of:

- creating a second inverse transformation from said particular space to a second colorant space of said output device.

14. The method according to claim 13 further comprising the step of:

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- obtaining a second color separation of said image by said second inverse transformation.

15. The method according to claim 14 when dependent on claim 8, the method further comprising the step of:

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- exposing a printing plate precursor according to said second color separation.

16. A computer program comprising computer program code means adapted to perform the steps of the method according to any one of claims

1 to 14 when said program is run on a computer.

17. A computer readable medium comprising program code adapted to carry out the method according to any one of claims 1 to 14 when run on a computer.

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18. A data processing system comprising means for carrying out the steps of the method according to any one of claims 1 to 14.

10 19. A color proof obtained by the method according to claim 11 or claim 12.

20. A printing plate obtained by the method according to claim 15.

15 21. A system for outputting an image having a specific color on an output device, the system comprising:
- input means for inputting data of said image;
- means for creating a model for said output device based on said image data, wherein said model encompasses said specific color.

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22. The system according to claim 21 wherein said model is created in a particular space having a one-to-one relation to a device independent color space.

25 23. The system according to claim 22 wherein said particular space is CIE XYZ.

24. The system according to any one of claims 21 to 23 further comprising means for computing color values of said specific color in said particular space, using said model.

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25. The system according to any one of claims 21 to 24 wherein said image data comprise data on said specific color.

26. The system according to any one of claims 21 to 25 wherein said specific color is a non-process color.

5 27. The system according to any one of claims 21 to 26 wherein said model encompasses an overlap of said specific color with another color.

28. The system according to claim 27 wherein said image data comprise data on said overlap.

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29. The system according to claim 27 or claim 28 wherein said other color is selected from the group of a process color and a non-process color.

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30. The system according to any one of claims 21 to 29 wherein said output device is an ink jet printer.

31. The system according to any one of claims 21 to 30 wherein said output device is a printer using printing plates.

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32. The system according to any one of claims 21 to 31 wherein said system is a proofing device.

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33. The system according to any one of claims 21 to 32 wherein said system is an ink jet printing device.